

Message

From: Alvey, Robert [Alvey.Robert@epa.gov]
Sent: 3/27/2015 7:14:07 PM
To: Stein, Carol [Stein.Carol@epa.gov]
CC: Mannino, Pietro [Mannino.Pietro@epa.gov]; Scharf, Steven (DEC) [steven.scharf@dec.ny.gov]; Metz, Chloe [Metz.Chloe@epa.gov]; Garbarini, Doug [Garbarini.Doug@epa.gov]
Subject: NWIRP Bethpage Five Year Review
Attachments: TCE deep five year review 2014 Fig 5-2N90845_001715.pdf; TCE Shallow 5 Yr Review 2014 Fig 5-1N90845_001715.pdf

Hello Carol,

As a follow-up to our recent discussions, I have accessed a copy of the Five Year Review submitted by Navy to NYSDEC regarding OU1 and OU2 at the Bethpage site. It was signed Jan 5, 2015. The link is below, but I have also filed a copy in the G folder. Attached are 2 figures from the report of interest, TCE concentrations in shallow and deep aquifer, including samples 2013 from the Hooker-Ruco Superfund site wells.

https://www.navfac.navy.mil/niris/MID_ATLANTIC/BETHPAGE_NWIRP/N90845_001715.pdf

A brief summary of the recommendations is below:

Recommended and Follow-up Actions

Recommendations and Follow-Up Actions:

Recommendations/Required Actions

OU-1 Site 1

- Conduct an RI/FS for addressing soil contamination at Site 1 not covered by the OU1 Record of Decision (ROD).
- Continue operation of the soil vapor extraction containment system. Pursuant to the monitoring plan, conduct offsite monitoring to ensure ongoing protectiveness.
- As part of the RI/FS discussed in #1, complete the groundwater investigation for Site 1 to determine whether PCBs and hexavalent chromium are migrating with groundwater, and if they are migrating, define the vertical and horizontal extent of migration.
- Prepare a new Decision Document that addresses the significant increase of PCB-contaminated soil and hexavalent chromium contaminated groundwater and soil vapor intrusion.
- Implement and document a formal annual Land Use Control inspection program.

Site 2

- Continue to monitor the recharge basins for erosion. If the erosion reaches a point that a wall collapse is a concern or erosion of the soil cover occurs, repairs would be needed.
- Implement and document a formal annual Land Use Control inspection program.

Site 3

- Implement and document a formal annual Land Use Control inspection program.

Recommendations and Follow-Up Actions:

Recommendations/Required Actions

OU-2

- Continue to install VPBs and wells to delineate the extent of the plume, monitoring plume migration and attenuation, and serve as sentry points for public water supply wells. Establish trigger values for the new outpost wells and update the Public Water Supply Contingency Plan.
- Continue to investigate potential downgradient adverse OU2 impacts and causes due to suspected incomplete capture by the ONCT system.
- Complete the delineation of the area of groundwater contamination with greater than 1,000 µg/L of VOCs in the area of BWD Plant 6 and pursue implementation of a mass removal system in this area.

This five-year review was initiated in May 2013. The New York State Department of Environmental Conservation (NYSDEC) was notified verbally of the start of the Five-Year Review for the Navy OU1 and OU2 RODs. The following team members participated in the May 2013 walk through:

- Lora Fly, Navy Remedial Project Manager
- Steve Scharf, NYSDEC
- Steve Karpinski, New York State Department of Health (NYSDOH)
- Joseph De Franco, Nassau County Department of Health
- Brian Caldwell, Resolution Consultants Project Manager (Navy CLEAN contractor)
- Eleanor Vivaudou, Resolution Consultants Project Manager (Navy CLEAN contractor)
- Dave Brayack, Tetra Tech NUS Project Manager (Navy CLEAN contractor)
- Al Taormina, H&S Environmental (Navy O&M Contractor)